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(54) **PORTABLE RAPID VITAL SIGN APPARATUS AND METHOD**

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(57) **ABSTRACT**

A portable, cuffless instrument and system for providing rapid measurements of vital signs of a patient undergoing trauma from illness or injury comprising a portable instrument connectable via contact sensors to the patient to produce a vital sign data set including blood pressure, pulse, blood oxygen saturation, and body temperature. The instrument preferably includes wireless communication capability in a network and system including a remote server, database, and processing capability to provide access to electronic medical records, to analyze the vital signs data, report preliminary diagnoses to a care giver, including listing chronologically vital sign data for trends.

19 Claims, 7 Drawing Sheets

